

FLOAT AND THERMOSTATIC STEAM TRAPS

FLT17

(2"HC; DN 50HC)

DESCRIPTION

The FLT17 float and thermostatic (integral air vent) steam traps series are designed for all types of low and high pressure steam heating and process equipment.

Typical applications include unit heaters, heat exchangers, driers, jacketed vessels and all the applications where continuous drainage is essential.

MAIN FEATURES

Modulating discharge.

Discharges condensate at steam temperature.

Unaffected by sudden or wide load and pressure changes.

Excellent air discharge (by thermostatic air vent).

OPTIONS: SLR – steam lock release.
Equalizing plug or vent connection.

USE: Saturated and superheated steam.

AVAILABLE MODELS: FLT17-4,5 , 10 and 14 – SG iron.

SIZES: 2"HC; DN 50HC.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
Flanged EN 1092-2 PN 16.
Flanged ASME B16.42 Class 150.

INSTALLATION: Standard horizontal installation – from right to left (R-L). See IMI – Installation and maintenance instructions.

On request: Horizontal installation with the flow from left to right (L-R) or vertical with the flow from top to bottom (V).

MAX. ΔP: FLT17-4,5 – 4,5 bar
FLT17-10 – 10 bar
FLT17-14 – 14 bar



BODY LIMITING CONDITIONS

FLANGED PN 16 *	FLANGED CLASS 150 **	RELATED TEMPERATURE
ALLOWABLE PRESSURE	ALLOWABLE PRESSURE	
16 bar	15,4 bar	100 °C
15,5 bar	14,6 bar	150 °C
14,7 bar	13,8 bar	200 °C
13,9 bar	12,1 bar	250 °C

PMO – Maximum operating pressure 14 bar;

TMO – Maximum operating temperature 198 °C.

* Acc. to EN 1092-2:2018; ** Acc. to EN 1759-1:2004.

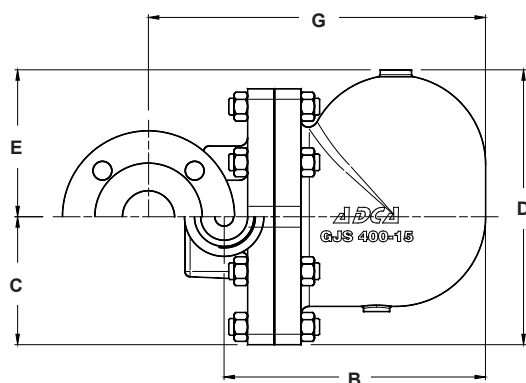
Body limiting conditions PN 16 or below, depending on the type of connection adopted. Rating PN 16 for threaded version.

CE MARKING – GROUP 2 (PED – European Directive)

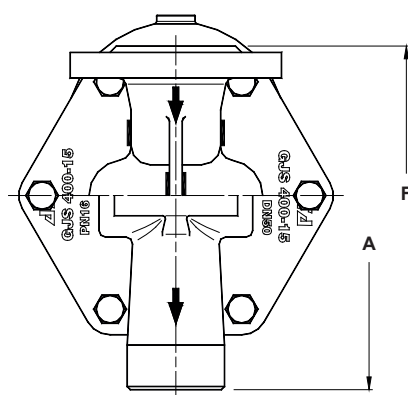
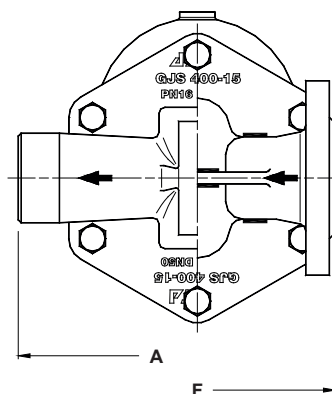
PN 16	Category
2"HC – DN 50HC	1 (CE marked)

FLOW RATE CAPACITY (kg/h)

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)											
		0,1	0,3	0,5	0,7	1	1,5	2	4,5	7	10	12	14
FLT17-4,5	2"HC – DN 50HC	2400	5900	7550	9050	11000	14000	15500	22500	–	–	–	–
FLT17-10	2"HC – DN 50HC	1800	3000	3900	4450	5000	6100	7100	10000	13750	16000	–	–
FLT17-14	2"HC – DN 50HC	900	1500	1900	2300	2700	3100	3600	5000	6900	8100	9000	9800



Horizontal Installation (R-L)



Vertical Installation (V)

DIMENSIONS (mm)												
THREADED							PN 16			CLASS 150		
SIZE	A	B	C	D	E	WEIGHT (kg)	F	G	WEIGHT (kg)	F	G	WEIGHT (kg)
2"HC – DN 50HC	300	250	126	266	140	21,6	230	325	27,8	230	325	27,6

MATERIALS		
POS. N°	DESIGNATION	MATERIAL
1	Body	GJS-400-15 / 0.7040
2	Cover	GJS-400-15 / 0.7040
3	* Gasket	Stainless steel / Graphite
4	* Seat	A351 CF8 / 1.4308
5	* Valve	AISI 420 / 1.4021
6	* Lever	AISI 304 / 1.4301
7	* Float	AISI 304 / 1.4301
8	* Air vent	Stainless st. (bimetallic)
9	Bolts	Steel 8.8

* Available spare parts.

